**Models of Prompts For AI Use**

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**Chain of Thought**: (Have the AI tool create a step-by-step analysis of the output)

"To explain [Complex Concept/Problem], follow these steps:

1. First, define [Key Term 1] and its relevance to [Topic].

2. Second, describe [Intermediate Step/Event] and its connection to [Key Term 1].

3. Third, illustrate [Final Step/Outcome] with a concrete example.

4. Finally, analyze the implications of [Final Step/Outcome] for [Specific Field/Application]."

**Few-Shot Prompting** (Provide the AI tool some examples in which to create its output)

"Here are examples of [Desired Output, e.g., effective research questions, concise summaries]:

Example 1: [Example 1]

Example 2: [Example 2]

Now, generate [Number] more [Desired Output] related to [Topic]."

**Role Prompting** (Have the AI tool take on the role or become a person {Albert Einstein})

"You are a [Role, e.g., historian, philosopher, expert in quantum physics]. As a [Role], analyze [Topic/Text/Problem] and provide [Desired Output, e.g., a critical analysis, a summary, a proposed solution]."

**Iterative Refinement** (This is a back and forth with the AI tool, where you are asking it to refine the output)

"Initial Prompt: [Initial Prompt]

AI Response: [AI Response]

Refinement Prompt: Based on the above response, [Refinement Action, e.g., expand on, focus on, clarify] [Specific Aspect]."

**Knowledge Graph Integration** (Prompting the AI tool to create graphs or mindmaps to show connections of concepts

"Create a knowledge graph illustrating the relationships between the following concepts: [List of Concepts]. Describe the key connections between [Node 1] and [Node 2] within the graph."

**Hypothetical Reasoning** (Prompt the AI tools with "what if" scenarios to explore potential outcomes)

"What if [Hypothetical Change] had occurred in [Context]? How would this have affected [Outcome]?"

**Constraint Prompting** (Prompt the AI tools by putting in some constraints as to how you want the output)

"Explain [Topic] in [Number] words, using only [Constraint, e.g., active voice, simple language, no jargon]."

**Specific Prompting Situations**

* **Pick up a concept**: Prompt: “You are a world-class educator specializing in rapid learning. Explain the core principles of {concept insert here} in a way that even a beginner can understand, using real-world examples”
* **Help in decision making**: Prompt: “You are a decision-making coach. I need to make a choice about {decision insert here}. Help me create a detailed Pro/Con list that weighs the potential benefits and drawbacks of each option, considering both short-term and long-term impacts”
* **Help with research**: Prompt: “You are a research assistant. Help me quickly gather key insights on {topic insert here}. Provide a summary of the most important information including, relevant data, trends, and sources that will allow me to understand the topic”
* **Aid in brainstorming**: Prompt: “You are a creative consultant. Help me brainstorm innovative ideas for {topic insert here} using different techniques like mind mapping, SCAMPER, and reverse brainstorming. Provide at least five unique ideas and explain which technique you used”
* **Improve your current content**: Prompt: “I am writing my resume, and I want to make it sound better. Can you go over my experience section and make it sound more impactful and achievement-oriented? Here is the experience section I wrote {Paste your text here}”
* **Help as a project manager**: Prompt: “You are a project manager expert. Help me break down a complex project into a Gantt chart. Identify the key tasks, dependencies, and timelines, and organize them into a clear and manageable schedule. {Provide details on the project insert here}
* **Serve as a research strategist**: Prompt: “Act as a research strategist and provide a step-by-step guide for using frameworks like SWOT or PESTLE in organizing research for {Topic insert here}. Include time-saving tips and tools”
* **Serve as a writing coach**: Prompt: “You are a writing coach. Suggest a workflow using bullet points for transforming scattered research notes on {topic insert here} into a cohesive article. Include templates for structuring arguments”
* **Headline suggestions**: Prompt: “Suggest engaging headlines for my article/project/idea/program on {topic insert here}. Include variations like “how-to”, “top 10 lists” and any other attention-grabbing formats suitable for my target audience of {describe your audience here}”
* **Structure Guide**: Prompt: “I need guidance on structuring a {type: flyer, email, story, case study, article}. Outline a step-by-step approach, including subtopics or sections to ensure the flow is logical and impactful for readers interested in {topic insert here}”
* **AI tool as a different perspective expert**: Prompt: “We are in a brainstorming session with: {you will come up with an expert role, such as a marketing expert}, {you will come up with a different expert role, such as a sales expert}, {you will come up with a third expert role, such as a product expert}. Each expert should come up with 10 ideas from their point of view on the following topic: {topics insert here}
* **AI tool as a devil’s advocate**: Prompt: “Give me 20 ways how I would make my customers/coworkers/students/audience more dissatisfied with my {product/service/class content/article insert here}. Then for every point, provide the exact opposite approach”
* **Provide adjective words to get more out of your prompts**:  Prompt: “Give me 10 {insert one of these creativity adjective phrases: “Extremely unique”; “Daringly different”; “Never-before-seen”; “Utterly unexpected”; “Wildly unconventional”; “Absolutely unheard of”; “Completely out-of-the-box”} ideas about {topic insert here}”
* **AI as a tutor**: Prompt: “I am currently learning about {topic insert here}. Ask me a series of questions that will test my knowledge. Identify knowledge gaps in my answer and give me better answers to fill those gaps”
* **AI as a prompt engineer**: Prompt: “You are an AI designed to help {insert your role or job title here}. Generate a list of the 10 best prompts for yourself. The prompts should be about {topic insert here}